

B1 after the distillation into contact with a halogenating agent to convert at least a part of the titanium alkoxide to a titanium halide, and distilling the solution containing the titanium halide to recover the titanium halide from the solution. The method can recover an increased amount of a titanium compound from a waste solution containing a titanium alkoxide.

---

**IN THE CLAIMS:**

Please replace claims 2, 5, 13 and 14, as follows:

---

B2 42. (Amended) A method for recovering a titanium compound, comprising distilling a waste solution containing a titanium alkoxide and a titanium halide to recover a part of the titanium halide from the waste solution, bringing a residue in a distiller after the distilling into contact with a halogenating agent to convert the titanium alkoxide to a titanium halide, and then distilling the solution containing the titanium halide to recover the titanium halide from the solution.

---

B3 96. (Amended) A process for preparing a titanium halide, comprising distilling a waste solution containing a titanium alkoxide and a titanium halide to recover a part of the titanium halide from the waste solution, and bringing a residue in a distiller after the distilling into contact with a halogenating agent to convert the titanium alkoxide to a titanium halide.

---

<sup>3</sup> ~~13~~. (Amended) A process for preparing a catalyst for polymer production,  
comprising:

recovering titanium halide according to the method of claim 1; and

preparing a catalyst for polymer production with the titanium halide.

B4

<sup>6</sup> ~~14~~. (Amended) A process for preparing a catalyst for polymer production,  
comprising:

recovering titanium halide according to the method of claim 2; and

preparing a catalyst for polymer production with the titanium halide.

---